

Untitled.ST25.txt  
SEQUENCE LISTING

<110> Renauld, Jean-Christophe  
Jamila, Louahed  
Luigi, Grasso  
Roy, Levitt  
Nicolaides, Nicholas

<120> Asthma Associated Factors as Targets for Treating Atopic Allergies  
and  
Related Disorders

<130> LUD 5501.1CON

<140> Not Yet Assigned

<141> 2002-02-08

<150> 09/157,247

<151> 1998-09-18

<150> 60/059,509

<151> 1997-09-19

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<170> PatentIn version 2.0

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<212> DNA

<213> Murinae gen. sp.

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<221> CDS

<222> (19)..(642)

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Pro Thr Tyr Lys Leu Val Val Val Gly Asp Gly Gly Val Gly Lys Ser	
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Ala Leu Thr Ile Gln Phe Phe Gln Lys Ile Phe Val Pro Asp Tyr Asp	
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ccc acc att gaa gac tcc tac ctg aag cat aca gag att gac aat cag	195
Pro Thr Ile Glu Asp Ser Tyr Leu Lys His Thr Glu Ile Asp Asn Gln	
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Trp Ala Ile Leu Asp Val Leu Asp Thr Ala Gly Gln Glu Glu Phe Ser	
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 Tyr Ser Val Thr Asp Lys Ala Ser Phe Glu His Val Asp Arg Phe His  
 95 100 105

cag ctc att ctg cgt gtc aag gac agg gag tca ttc cca atg atc ctc 387  
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 Ser Tyr Leu Lys His Thr Glu Ile Asp Asn Gln Trp Ala Ile Leu Asp  
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 Tyr Met Arg Thr Gly Asp Gly Phe Leu Ile Val Tyr Ser Val Thr Asp  
 85 90 95  
 Lys Ala Ser Phe Glu His Val Asp Arg Phe His Gln Leu Ile Leu Arg  
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 Val Lys Asp Arg Glu Ser Phe Pro Met Ile Leu Val Ala Asn Lys Val  
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 130 135 140  
 Ala Thr Lys Tyr Asn Ile Pro Tyr Ile Glu Thr Ser Ala Lys Asp Pro  
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 His Val Asp Arg Phe His Gln Leu Ile Leu Arg Val Lys Asp Arg Glu  
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 120 125 130

agg aag atc acc agg gag caa gga aaa gaa atg gcg acc aaa cac aat 548  
 Arg Lys Ile Thr Arg Glu Gln Gly Lys Glu Met Ala Thr Lys His Asn  
 135 140 145

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 Ile Pro Tyr Ile Glu Thr Ser Ala Lys Asp Pro Pro Leu Asn Val Asp  
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 Lys Ala Phe His Asp Leu Val Arg Val Ile Arg Gln Gln Ile Pro Glu  
 170 175 180

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 Lys Ser Gln Lys Lys Lys Lys Thr Lys Trp Arg Gly Asp Arg Ala  
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aca ggc acc cac aaa ctg caa tgt gtg atc ttg tgaggcctgc aggcctgaag 745  
 Thr Gly Thr His Lys Leu Gln Cys Val Ile Leu  
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Phe Phe Gln Lys Ile Phe Val Pro Asp Tyr Asp Pro Thr Ile Glu Asp  
 35 40 45

Ser Tyr Leu Lys His Thr Glu Ile Asp Asn Gln Trp Ala Ile Leu Asp  
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Val Leu Asp Thr Ala Gly Gln Glu Glu Phe Ser Ala Met Arg Glu Gln  
 65 70 75 80

Tyr Met Arg Thr Gly Asp Gly Phe Leu Ile Val Tyr Ser Val Thr Asp  
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Lys Ala Ser Phe Glu His Val Asp Arg Phe His Gln Leu Ile Leu Arg  
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Val Lys Asp Arg Glu Ser Phe Pro Met Ile Leu Val Ala Asn Lys Val  
 115 120 125

Asp Leu Met His Leu Arg Lys Ile Thr Arg Glu Gln Gly Lys Glu Met  
 130 135 140

Ala Thr Lys His Asn Ile Pro Tyr Ile Glu Thr Ser Ala Lys Asp Pro  
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Pro Leu Asn Val Asp Lys Ala Phe His Asp Leu Val Arg Val Ile Arg  
 165 170 175

Gln Gln Ile Pro Glu Lys Ser Gln Lys Lys Lys Lys Thr Lys Trp  
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&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

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35 40 45

Glu Thr Cys Leu Leu Asp Tyr Leu Asp Thr Ala Gly Gln Glu Glu Tyr  
50 55 60

Ser Ala Met Arg Asp Gln Tyr Met Arg Tyr Gly Glu Gly Phe Leu Cys  
65 70 75 80

Val Phe Ala Ile Asn Asn Thr Lys Ser Phe Glu Asp Ile His Gln Tyr  
85 90 95

Arg Glu Gln Ile Lys Arg Val Lys Asp Ser Asp Asp Val Pro Met Val  
100 105 110

Leu Val Gly Asn Lys Cys Asp Leu Ala Ala Arg Thr Val Glu Ser Arg  
115 120 125

Gln Ala Gln Asp Leu Ala Arg Ser Tyr Gly Ile Pro Tyr Ile Glu Thr  
130 135 140

Ser Ala Lys Thr Arg Gln Gly Val Glu Asp Ala Phe Tyr Thr Leu Val  
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Val	Val	Val	Gly	Gly	Gly	Gly	Val	Gly	Lys	Ser	Ala	Leu	Thr	Ile	Gln	35	40	45	
Phe	Ile	Gln	Ser	Tyr	Phe	Val	Ser	Asp	Tyr	Asp	Pro	Thr	Ile	Glu	Asp	50	55	60	
Ser	Tyr	Thr	Lys	Ile	Cys	Thr	Val	Asp	Gly	Ile	Pro	Ala	Arg	Leu	Asp	65	70	75	80
Ile	Leu	Asp	Thr	Ala	Gly	Gln	Glu	Glu	Phe	Gly	Ala	Met	Arg	Glu	Gln	85	90	95	
Tyr	Met	Arg	Ala	Gly	Asn	Gly	Phe	Leu	Leu	Val	Phe	Ala	Ile	Asn	Asp	100	105	110	
Arg	Gln	Ser	Phe	Asn	Glu	Val	Gly	Lys	Leu	Phe	Thr	Gln	Ile	Leu	Arg	115	120	125	
Val	Lys	Asp	Arg	Asp	Asp	Phe	Pro	Ile	Val	Leu	Val	Gly	Asn	Lys	Ala	130	135	140	
Asp	Leu	Glu	Asn	Gln	Arg	Gln	Val	Leu	Arg	Ser	Glu	Ala	Ser	Ser	Phe	145	150	155	160
Ser	Ala	Ser	His	His	Met	Thr	Tyr	Phe	Glu	Ala	Ser	Ala	Lys	Leu	Arg	165	170	175	
Leu	Asn	Val	Asp	Glu	Ala	Phe	Glu	Gln	Leu	Val	Arg	Ala	Val	Arg	Lys	180	185	190	
Tyr	Gln	Glu	Gln	Glu	Leu	Pro	Pro	Ser	Pro	Pro	Ser	Ala	Pro	Arg	Lys	195	200	205	
Lys	Asp	Gly	Gly	Cys	Pro	Cys	Val	Leu	Leu							210	215		